

“COMPOSITION WITH TRIETHYL CITRATE BASE FOR THE TREATMENT  
OF BACTERIAL INFECTIONS OF THE CUTIS”

CLAIMS

5           1. A composition for topical use for curing cutaneous pathologies, characterised in that it contains as an active ingredient triethyl citrate either pure or in combination with synergists.

          2. A composition according to claim 1, which contains triethyl citrate in a percentage by weight of 0.1 to 99.9. preferably from 5 to 50 percent.

10          3. A composition according to claim 2, which contains triethyl citrate in a percentage by weight of 5.0 to 50.0 percent.

          4. A composition according to any of the claims from 1-3, containing the active ingredient represented by triethyl citrate in association with at least one of the additional substances chosen between trans - retinal acid, retinol, 15 retinaldehyde, tocopherol, ascorbic acid, p-aminobenzoic acid, rutin,  $\beta$ -Carotene, tiamin, riboflavin, pyridoxine, pyridoxale, niacin, nicotinic acid, nicotinamide, pantothenic acid, pantenol, glucosamine, aceylglucosamine, folic acid, lecithin, phosphlipids such as, for example phosphatidylcholine, phosphatidylethanolamine, phosphatidic acid, lyso-phosphatidylcholine, 20 hydroquinone, oleic acid, linoleic acid, linolenic acid, ethyl oleate, ethyl linolenate, ethyl linoleate, Kojic acid, ascorbyl glucoside, erythromycin, clindamycin, metronidazole, gentamicin, fusidic acid, econazole, ketoconazole, mupirocin, neomocin, stretomicin, hydrogen peroxide, benzoil peroxide, cetylpyridinium, benzalkonium, chlorhexidin and relative salts and 25 esters, silver and relative salts, both organic and inorganic, hydroxyacids and

$\beta$  hydroxyacids, both mono and bi carboxyls, such as glycolic acid, lactic acid (in the dextro and levorotatory forms and in racemic mixtures) hydroxybutyric acid (in the dextro and levorotatory forms and in racemic mixtures), mandelic acid (in the dextro and levorotatory forms and in racemic mixtures), tartaric acid (in the dextro and levorotatory forms and in racemic mixtures), malic acid (in the dextro and levorotatory forms and in racemic mixtures), salicylic acid, 3-hydroxybenzoic acid, 4 – hydroxybenzoic acid, cysteine, acetyl cysteine, glycine, used singularly or in association with one or more including the relative salts, esters and amides and the relative D-L-DL forms.

10        5. A composition according to claim 4, wherein said additional substances are contained in a percentage by weight from 0.01% to 50%, preferably from 0.5 to 15%.

6. Use of a composition containing triethyl citrate according to any of the previous claims as a pharmaceutical substance at least for the treatment of cutaneous pathologies both directly and indirectly affected by infections of a bacterial origin.

7. Use according to claim 6 of a composition containing triethyl citrate in combination with an antibiotic for the treatment of cutaneous pathologies both directly and indirectly affected by infections of a bacterial origin.

20        8. Use of a composition containing triethyl citrate according to any of the claims from 1-5 as a cosmetic substance at least for the treatment of cutaneous blemishes both directly and indirectly caused by a bacterial component.

9. Method for the pharmaceutical or cosmetic cure of the skin including the procedures to use a composition containing triethyl citrate as an active

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ingredient, either pure or in combination with synergists, to formulate said composition in a preparation for external use and to apply said preparation for a length of time and using a sufficient quantity on the skin for treatment of cutaneous pathologies directly or indirectly affected by infections of a bacterial origin such as, pyodermatitis, dermatitis, eczema and cutaneous blemishes  
5 caused by a bacterial component.